

## REMARKS

The Examiner rejects Claims 14, 15, 17 and 19 under 35 USC §103(a) as being unpatentable over Borchardt et al. (US 6,215,981) in view of Svensson et al. (US 2004/0053596). This rejection is traversed. As to Claim 14, it has been amended to include the limitations of Claim 16. Amended Claim 14 was and remains an independent claim to which Claim 16 depended upon. The Examiner notes in this final action that Claim 16, which stands objected to, would be allowable if rewritten to include all of the limitations of the base claim (Claim 14) and any intervening claims (of which there are none). This has been done with the amendment to Claim 14. In particular, the limitation of "the modulated RF carrier audio signal is in the range of 900MHz and the once downconverted second signal reproducible by the electroacoustic transducers is 10.7MHz" has been added to amended Claim 14. It therefore follows that Claim 14 must be allowable. Notwithstanding, Borchardt and Svensson, the two references cited in the final action, when combined, as a whole, fail to teach or suggest a system for transmitting a modulated RF carrier audio signal from a base unit to a receiver unit, wherein the base unit includes a pair of audio input connections coupled to a transmitting circuit having an antenna, and wherein the pair of audio input connections receive left and right audio signals from an audio source amplification device, and wherein a receiver circuit is enclosed within the receiver unit coupled to a pair of electrostatic transducers for receiving the modulated RF carrier audio signal and downconverting said signal once to a second signal reproducible by the electrostatic transducers without the need of an intermediate carrier signal, and wherein the receiver circuit has an antenna for receiving the modulated RF carrier audio signal, a single downconverter and a control circuit, and wherein the modulated RF carrier audio signal is in the range of 900MHz and also that the once downconverted second signal reproducible by the

electroacoustic transducers is 10.7MHz. Withdrawal of the rejection to Claim 14 under §103(a) is respectfully requested.

As to Claim 15, it depends upon Claim 14, which has been amended to place it in a condition for allowance. It therefore follows that Claim 15 must also now be in a condition for allowance. Notwithstanding, Borchardt and Svensson, when combined, as a whole, fail to teach or suggest a system for transmitting a modulated RF carrier audio signal from a base unit to a receiver unit having all of the limitations of amended Claim 14 and wherein the single downconverter comprises a frequency mixer, a local oscillator, and a phase lock loop circuit. For these reasons, withdrawal of the rejection to Claim 15 under §103(a) is respectfully requested.

As to Claim 17, it is dependent upon Claim 15, which is in turn is dependent upon amended Claim 14. And since it has been shown that Claim 15 is allowable, it follows that Claim 17 must also be allowable. Notwithstanding, Borchardt and Svensson, when combined, as a whole, fail to teach or suggest a system for transmitting a modulated RF carrier audio signal from a base unit to a receiver unit having all of the limitations of amended Claim 14 and wherein the single downconverter comprises a frequency mixer, a local oscillator, and a phase lock loop circuit, and wherein the local oscillator, controlled by the phase lock loop circuit, produces a desired tunable frequency signal which is subsequently directed to the downconverter frequency mixer. For these reasons, withdrawal of the rejection to Claim 17 under §103(a) is respectfully requested.

As to Claim 19, it also is dependent upon Claim 15, which is in turn dependent upon amended Claim 14. And since it has been shown that Claim 15 is allowable, it follows that Claim 19 must also be allowable. Notwithstanding, Borchardt and Svensson, when combined, as a whole, fail to teach or suggest a system for transmitting a modulated RF carrier audio signal from a base unit to a receiver unit having all of the limitations of amended

Claim 14 and wherein the single downconverter comprises a frequency mixer, a local oscillator, and a phase lock loop circuit and wherein the receiver circuit control circuit produces a stable frequency signal which is used by the phase lock loop circuit as a reference frequency signal for the downconverter local oscillator. For these reasons, withdrawal of the rejection to Claim 19 under §103(a) is respectfully requested.

The Examiner has objected to Claims 16, 18 and 20 as being dependent upon a base claim that stands rejected but each would be allowable if rewritten to include all of the limitations of its respective base claim and any intervening claim. This objection is obviated.

First, as to Claim 16, it has been canceled and therefore the objection is moot. It is noted however that the limitation of Claim 16 was incorporated into independent Claim 14 to make Claim 14 allowable, of which the Examiner said would be allowable.

As to Claim 18, it is dependent on Claim 17, which in turn is dependent on Claim 15, which in turn is dependent on amended Claim 14. And since it has been shown that amended Claim 14 is allowable due to the incorporation of the limitation of Claim 16, it follows that Claim 18 must be allowable. Notwithstanding, none of the prior discloses, nor does nay of the prior art, when combined, as a whole, suggest or teach a system for transmitting a modulated RF carrier audio signal from a base unit to a receiver unit with the limitations recited in amended Claim 14 and wherein the single downconverter comprises a frequency mixer, a local oscillator, and a phase lock loop circuit, wherein the local oscillator, controlled by the phase lock loop circuit, produces a desired tunable frequency signal which is subsequently directed to the downconverter frequency mixer and wherein the receiver circuit control circuit produces a stable frequency signal which is used by the phase lock loop circuit as a reference frequency signal for the downconverter local oscillator. For these reasons, withdrawal of the objection to Claim 18 is respectfully requested.

As to Claim 20, the similar logic follows as applied to Claim 19 directly above. In particular though, Claim 20 is dependent on Claim 19, which depends upon Claim 15, which depends upon amended Claim 14. And since it has been shown that amended Claim 14, Claim 15 and Claim 19 are allowable, Claim 20 must also be allowable. Notwithstanding, none of the prior discloses, nor does any of the prior art, when combined, as a whole, suggest or teach a system for transmitting a modulated RF carrier audio signal from a base unit to a receiver unit with the limitations recited in amended Claim 14 and wherein the single downconverter comprises a frequency mixer, a local oscillator, and a phase lock loop circuit, and wherein the receiver circuit control circuit produces a stable frequency signal which is used by the phase lock loop circuit as a reference frequency signal for the downconverter local oscillator such that the reference frequency signal is adjustable by the receiver circuit control circuit to a desired tunable frequency signal and the desired tunable frequency signal enables the local oscillator frequency signal to be matched with the modulated RF carrier audio signal in the downconverter mixer to produce the second signal reproducible by the electroacoustic transducers. For these reasons, withdrawal of the objection to Claim 20 is respectfully requested.

Finally, the Examiner has noted that Claims 1-13 are allowable. The Examiner has thoroughly explained his reasons for their allowability in his final action. Applicant's have reviewed such reasons and agree with the Examiner. Applicants thank the Examiner for taking the time to explain his reasons in detail.

In view of all of the above, Applicants' believe that Claims 1-15 and 17-20 are in a condition for allowance. Such action is earnestly solicited.

Very truly yours,

LARSON & LARSON, P.A.

/ Herbert William Larson /

Herbert W. Larson, Esq.  
Reg. No. 21,008  
Attorney for Applicants  
Customer No. 22497